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(54) Title: **PROCESS FOR MAKING HIGH DENSITY AND LARGE PARTICLE SIZE COBALT HYDROXIDE OR COBALT MIXED HYDROXIDES AND A PRODUCT MADE BY THIS PROCESS**

(57) Abstract: The invention relates to a method for preparing a cobaltous hydroxide with a high density and a large particle size or an alloy hydroxide of cobalt and some other metal, in which a complexing agent and hydroxide ion is added to an aqueous cobalt brine or an aqueous brine of cobalt and some other metal under alkaline conditions in order to form a metal hydroxide. In this method, the complexing agent is selected so as to form an ammonium complex with the metal ion. The molar ratio of complexing agent to metal is about 0.5-3, and the pH is regulated in the range 10-13.